

**WASTE MANAGEMENT  
SURFACE EMISSION MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 5.27.15

Site Name: Cottonwood Hills

**WEATHER OBSERVATIONS**

Wind Speed: 0 - 5 MPH Wind Direction: South Barometric Pressure: 29.5

Air Temperature: 82 deg F General Weather Conditions: P.C., warm

**CALIBRATION INFORMATION**

**Pre-monitoring Calibration Precision Check**

*Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 10% of the calibration gas value.*

Instrument ID: 30987664 Cal Gas Concentration: 500 ppm

Trial	Zero Air Reading	Cal Gas Reading	(Cal Gas Conc. - Cal Gas Reading)
1	<u>0.1</u>	<u>489</u>	<u>11</u>
2	<u>0</u>	<u>496</u>	<u>4</u>
3	<u>0</u>	<u>493</u>	<u>7</u>

Average Difference: 7.33

Calibration Precision = Average Difference/Cal Gas Conc. X 100%  
1.46

**Post-monitoring Calibration Check**

Zero Air Reading: 0 ppm Cal Gas Reading: 498 ppm

**BACKGROUND CONCENTRATION CHECKS**

Upwind Location Description: South Access Rd. Reading: 1.03 ppm

Downwind Location Description: North Access Rd. Reading: 6.27 ppm

**NOTES:**

Nothing over 180 ppm.

Site has received a little over 2 inches of rain. Soil saturated.

*[Handwritten signature]*

SEM Cal Form

WM00215

